

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2001037489  
PUBLICATION DATE : 13-02-01

APPLICATION DATE : 19-05-00  
APPLICATION NUMBER : 2000148217

APPLICANT : MITSUBISHI CHEMICALS CORP;

INVENTOR : HATAKEYAMA KAZUHISA;

INT.CL. : C12N 15/09 C12M 1/00 C12Q 1/68 // C07K 14/195

TITLE : METHOD OF ANALYZING GENE

ABSTRACT : PROBLEM TO BE SOLVED: To provide a method of analyzing a gene by improving the analysis rate by means of immobilizing either a probe nucleic acid or a sample nucleic acid containing a target sequence complementary to the sequence of this probe nucleic acid on a base plate and reacting these nucleic acids in the presence of a double strand DNA-binding protein.

SOLUTION: On the gene analysis containing the detection of hybridization between a probe nucleic acid and a sample nucleic acid containing a target sequence complementary to the sequence of this probe nucleic acid, either the above probe nucleic acid or the sample nucleic acid is immobilized on a base plate and at least one of the above these nucleic acids is DNA. By forming the above hybridization in the presence of a double strand DNA-binding protein, e.g. Sulfolobus solfataricus-derived Sso7d protein or the like, the gene is analyzed rapidly with high sensitivity. This method can be utilized in the determination of the base sequence of nucleic acid, the gene diagnosis of infectious disease or hereditary disease, the expression monitoring of genomic gene, or the like.

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General Information **XP-002378912**

Primary Accession # **BD004299**

Accession # **BD004299**

Entry Name **EMBL:BD004299**

Molecule Type **unassigned DNA**

Sequence Length **26**

Entry Division **SYN**

Sequence Version **BD004299.1**

Creation Date **08-FEB-2002**

Modification Date **08-FEB-2002**

**Description**

Description **Gene analysis method.**

Keywords **JP 2001037489-A/8.;**

Organism **synthetic construct**

Organism **other sequences; artificial sequences.**

**Classification**

**References**

**1. Hatakeyama,K.;**

**Gene analysis method**

Patent number **JP2001037489-A/8, 13-FEB-2001. MITSUBISHI CHEMICAL CORP.**

Position **1-26**

**Features**

<b>Key</b>	<b>Location</b>	<b>Qualifier</b>	<b>Value</b>
<b>source</b>	<b>1..26</b>	<b>organism</b>	<b>synthetic construct</b>
		<b>mol_type</b>	<b>unassigned DNA</b>
		<b>db_xref</b>	<b>taxon:32630</b>

**Sequence**

**Characteristics** **Length: 26 BP, A Count:4, C Count:8, G Count:10, T Count:4, Other Count:0**

**Sequence**

**>emb1|BD004299|BD004299 Gene analysis method.**  
**agtctcgagtcggggcgatggccac**

**Go to:** General Description References Sequence